

## ***Building on Tradition: Integrity Municipal Systems Brings Innovation to Legendary Lime Slaking Systems***

Lime is one of the most common chemicals used in water and wastewater treatment processes, but the cost of bulk hydrated lime solutions becomes prohibitive as usage increases. On-site slaking – or hydration – is the ideal solution to keep costs manageable.

The A-758™ Lime Slaking System – introduced for sale in 1959 – has established itself as the industry baseline for continuous paste lime slaking. The system's continuous lime slaking process slakes quicklime with water to form hydrated lime. Paste slakers utilize half the water of slurry slakers, leading to higher slaking temperatures, shorter retention time, a smaller

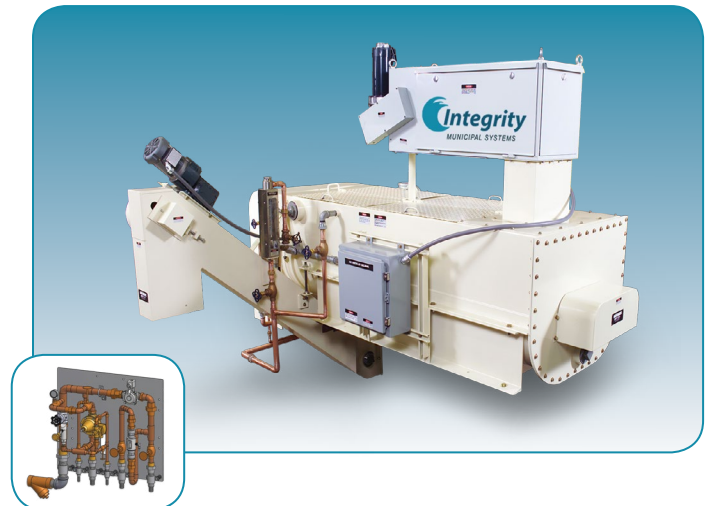
**“The IMS slakers greatly exceeded my expectations. The quality of the equipment, coupled with IMS’s knowledgeable staff, resulted in a first class project. IMS demonstrated why it is an elite organization on this project.”**

Blake Pitts  
Vice President  
Matous Construction, Ltd.

equipment footprint, and – most importantly – smaller hydrate particle size for greater process chemical reactivity. The A-758™ and A-758 Plus™ systems come equipped with a conveyor or screen to remove grit after the slaking process.

Although the A-758™ and A-758 Plus™ Lime Slaking Systems are time-tested, proven products, recent enhancements have further improved the operability and effectiveness of these systems. Several features have been modularized, such as the dust arrestor and spray-bar; and select components have been redesigned to allow ease of maintenance and easier replacement of high-wear parts. IMS

also modified the water management for the system, replacing on-site, custom-constructed copper piping with a compact, pre-packaged, controlled water panel that can be placed on the unit or mounted remotely to meet the operator's space and operational requirements (see inset). The A-758™ continuous lime slaking system can also be coupled with several different quicklime feeders.



The A-758™ and A-758 Plus™ Lime Slaking Systems have long been the industry standard for on-site lime slaking. Integrity Municipal Systems has taken that standard to a higher level with new features that extend equipment life, reduce maintenance costs, and improve control and reliability. The tradition continues, with legendary design now united with the superior quality, service, and support of IMS.

### **A-758™/A-758 Plus™ Lime Slaking Systems**

**Continuous Paste Lime Slaking** – higher slurry concentrations with a lower cost and smaller footprint than batch slaking systems

**Paste Slakers** – faster slaking with a more reactive lime slurry solution than slurry slaking systems

**Ease of Maintenance** – redesigned with the operator in mind for cleaning and high-wear parts replacement

**Plug-and-Play Installation** – each system is piped, wired and tested at the factory before shipment



*Campbell's Soup Manufacturing Plant, Napoleon OH*



*Public Water Supply District #2, Defiance MO*



*Edmond, OK*



*Nebraska City WWTP, NE*



*Cote D'Ivoire*



*Fort Pierce Utilities Authority, FL*



*Jackson, MI*



*Davis WTP, Austin TX*